

## Atomic Structure Question 3

### Support material

**Markschemes/markig notes:**

3. a) 17 (protons);[1]

b) 35 (nucleons) - 17 (protons) = 18 (neutrons) ; [1]

c) Chlorine; [1]

[total = 3]

for a) and b), answer must be expressed as a whole number, not a decimal. If a decimal is shown, no credit may be awarded.

**Rubric:**

**Student work samples:**

**Additional resources:**

**Examiner notes:**

3. For the atom:  $^{35}_{17}\text{X}$

a) How many protons are present?[1]

b) How many neutrons are present?[1]

c) What is the identity (element name) of this atom? [1]

Subject:

Chemistry

DP Component & Criteria:

Short-answer Questions/Paper 2 and 3

Component type:

External

MYP Criteria:

Group 4 / Sciences

Tags:

atomic structure